

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals &
Natural Resources

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

☐ AMENDED REPORT

I. REQUEST FOR ALLSWAITING AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377	
		³ Reason for Filing Code/ Effective Date 08/07/2022	
⁴ API Number 30 - 025-49876	⁵ Pool Name RED HILLS; BONE SPRING, EAST		⁶ Pool Code 97369
⁷ Property Code 325650	⁸ Property Name PEREGRINE 27 FEDERAL COM		⁹ Well Number 403H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	27	24S	34E		1820	SOUTH	2127	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	3	25S	34E		2518	NORTH	1920	WEST	LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 03/26/2022	²² Ready Date 08/07/2022	²³ TD 20,871'	²⁴ PBDT 20,847'	²⁵ Perforations 10,732 - 20,847'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
16	13 3/8"	1202'	815 SXS CL C/CIRC		
12 1/4"	9 5/8"	5374'	1490 SXS CL C/CIRC		
8 3/4"	5 1/2"	20,853'	3680 SXS CL H TOC 1890' CBL		

V. Well Test Data

³¹ Date New Oil 08/07/2022	³² Gas Delivery Date 08/07/2022	³³ Test Date 08/15/2022	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 761
³⁷ Choke Size 90	³⁸ Oil 2989	³⁹ Water 5327	⁴⁰ Gas 4640		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kay Maddox			OIL CONSERVATION DIVISION Approved by: Title: Approval Date:		
Printed name: Kay Maddox					
Title: SENIOR REGULATORY SPECIALIST					
E-mail Address: kay_maddox@eogresources.com					
Date: 08/17/2022		Phone: 432-638-8475			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49876	² Pool Code 97369	³ Pool Name RED HILLS; BONE SPRING, EAST
⁴ Property Code 325650	⁵ Property Name PEREGRINE 27 FED COM	⁶ Well Number 403H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3454'

¹⁰Surface Location

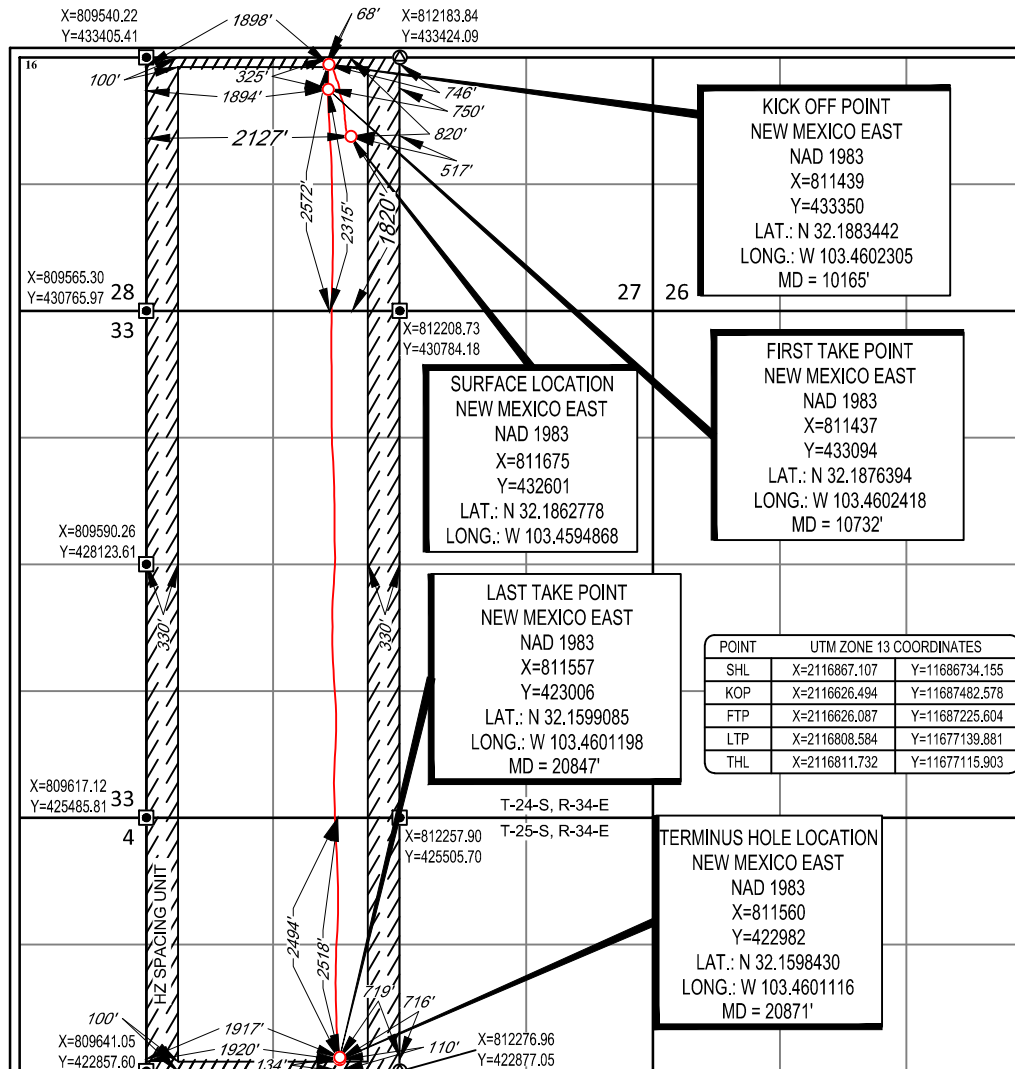
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	24-S	34-E	-	1820'	SOUTH	2127'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	3	25-S	34-E	-	2518'	NORTH	1920'	WEST	LEA

¹² Dedicated Acres 639.36	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox 08/08/2022
Signature Date

KAY MADDOX
Printed Name

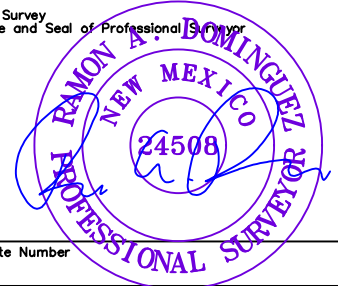
KAY_MADDOX@EOGRESOURCES.COM
E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

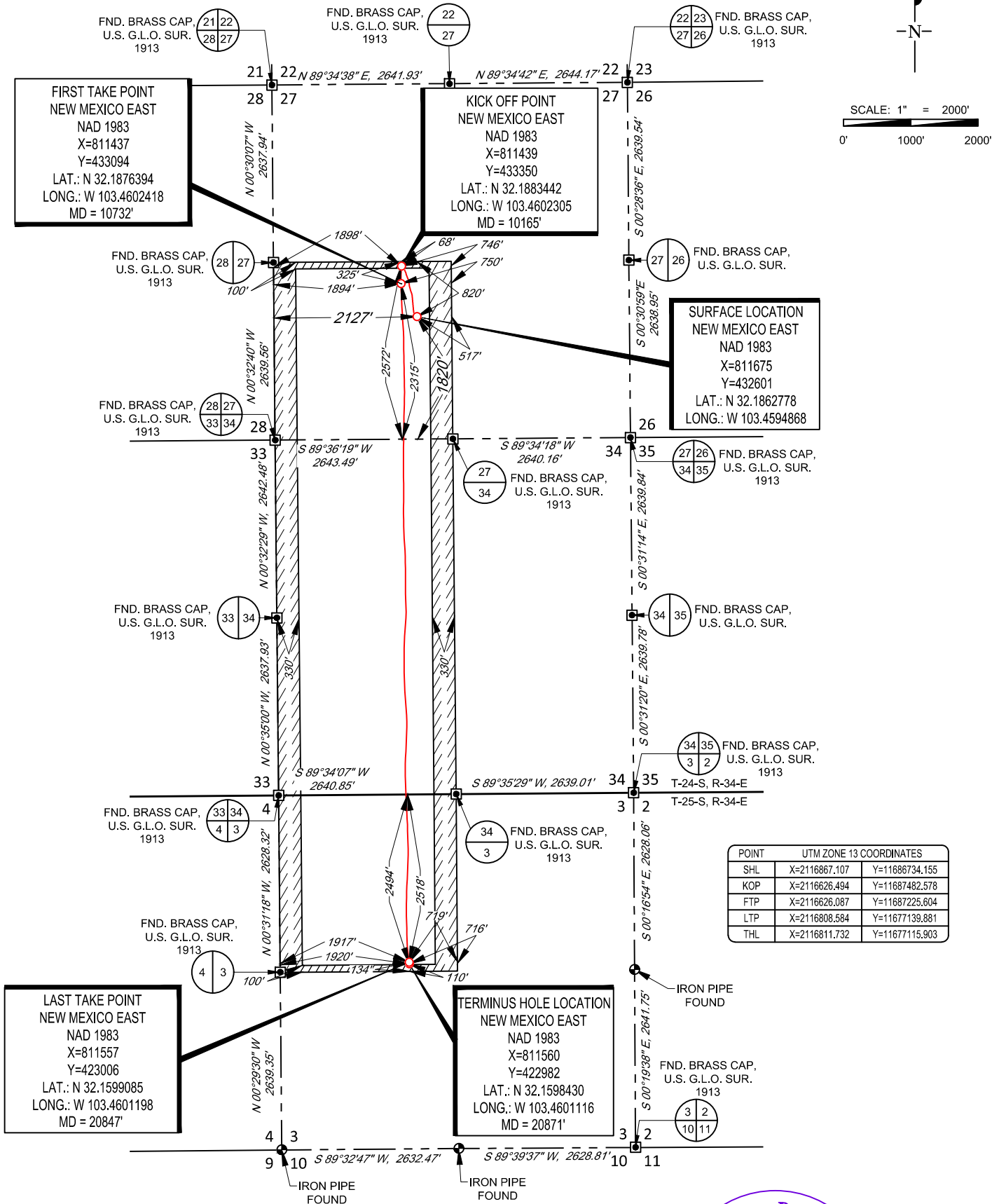
03/23/2022

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

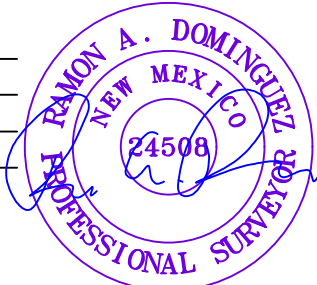
SECTION 27, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: PEREGRINE 27 FED COM 403H
SECTION 27 TWP 24-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3454'
DESCRIPTION 1820' FSL & 2127' FWL



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM



Ramon A. Dominguez, P.S. No. 24508
August 4, 2022



PEREGRINE 27 FED COM 403H AS-DRILLED
DATE: 08/04/22
FILE:AD_PEREGRINE_27_FC_403H
DRAWN BY: SAR
SHEET: 2 OF 2

REVISION:	

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com #403H

H&P 389

OH

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

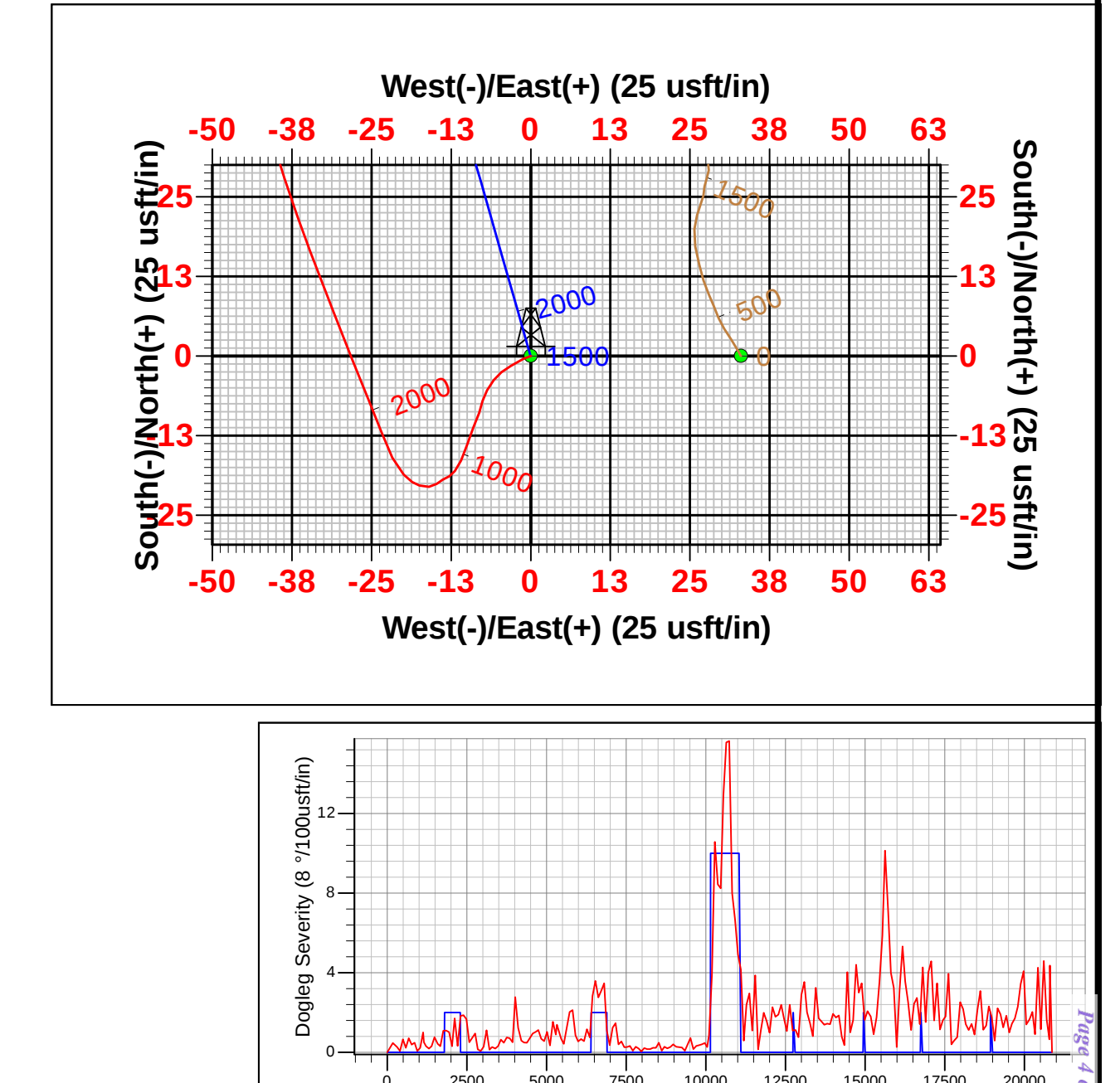
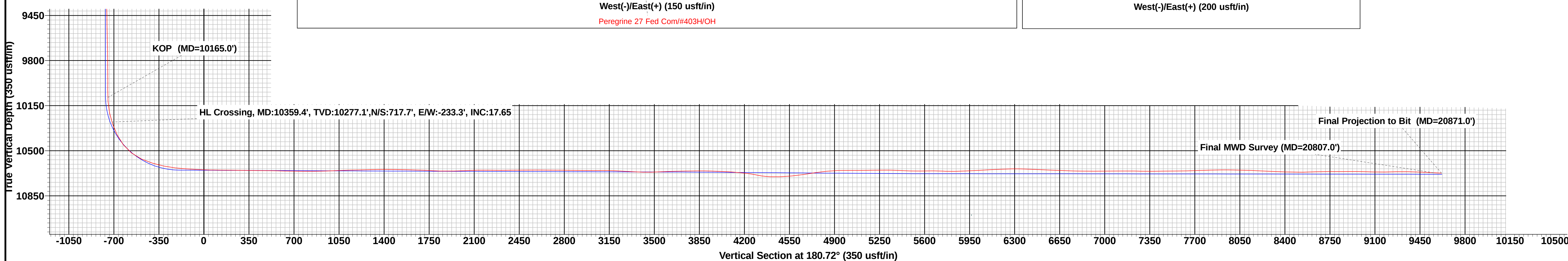
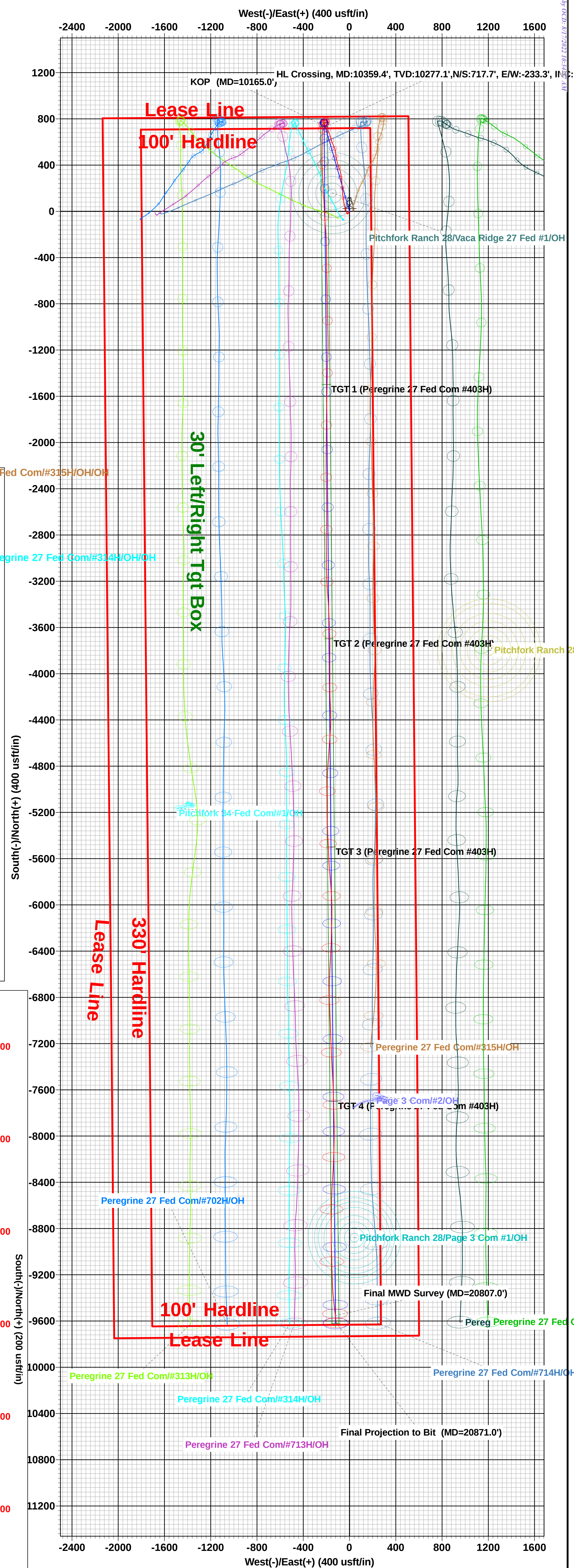
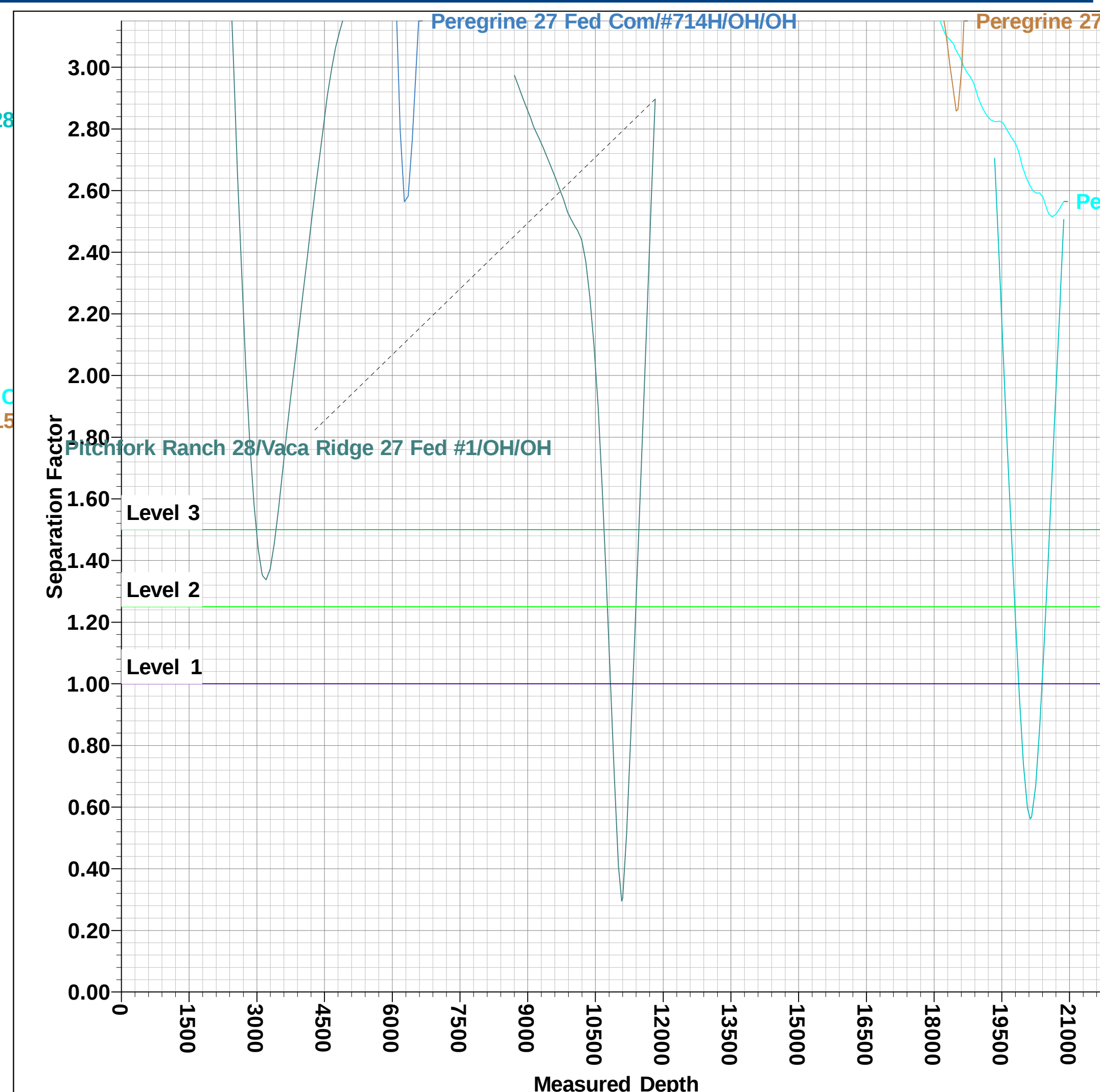
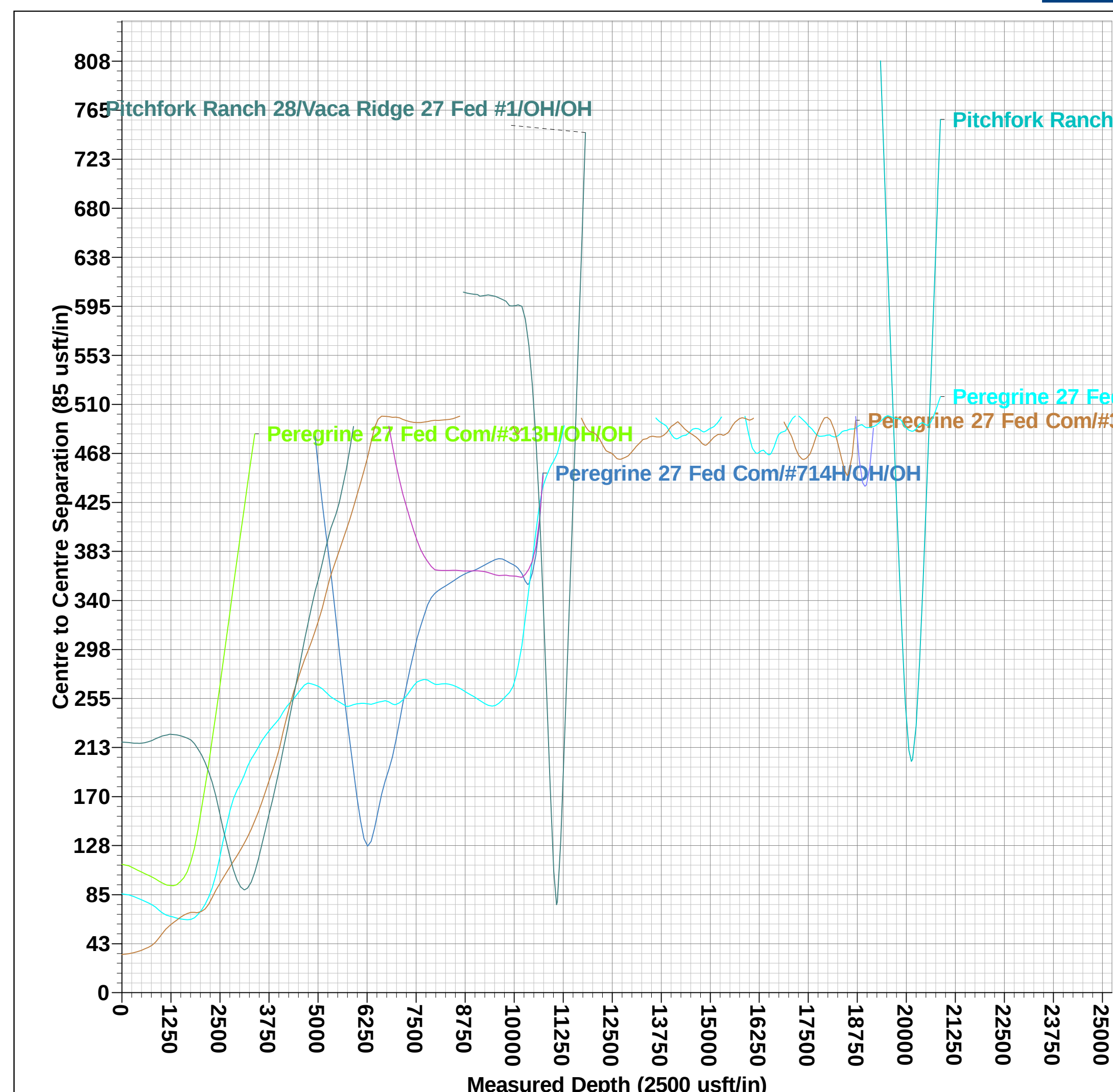
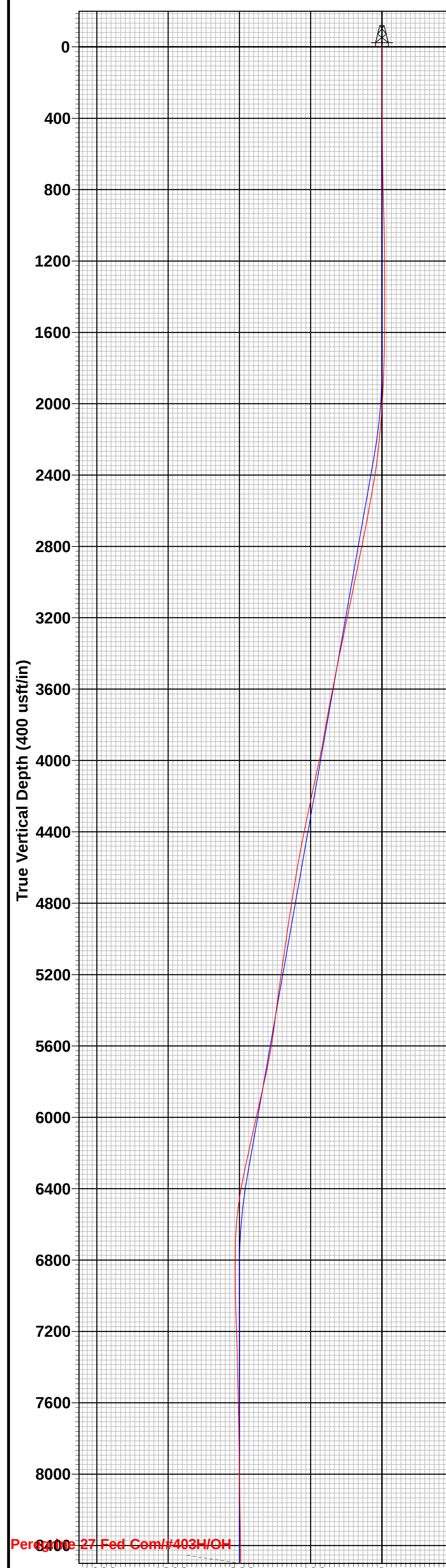
WELL DETAILS: #403H

			3454.0
kb = 25' @ 3479.0usft (H&P 389)			
Northing	Easting	Latitude	Longitude
432601.00	811675.00	32° 11' 10.604 N	103° 27' 34.152 W

Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.09°

Magnetic Field
Strength: 47538.9nT
Dip Angle: 59.90°
Date: 11/30/2020
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.09°
 To convert a Magnetic Direction to a True Direction, Add 6.55° East
 To convert a True Direction to a Grid Direction, Subtract 0.47°





Midland

Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com

#403H

OH

Design: OH

Final PVA

26 May, 2022



Final PVA

Company:	Midland			Local Co-ordinate Reference:	Well #403H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Site:	Peregrine 27 Fed Com			MD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Well:	#403H			North Reference:	Grid
Wellbore:	OH			Survey Calculation Method:	Minimum Curvature
Design:	OH			Database:	PEDM

Project	Lea County, NM (NAD 83 NME)				
Map System:	US State Plane 1983		System Datum:	Mean Sea Level	
Geo Datum:	North American Datum 1983				
Map Zone:	New Mexico Eastern Zone				

Site	Peregrine 27 Fed Com				
Site Position:		Northing:	431,580.00 usft	Latitude:	32° 11' 0.630 N
From:	Map	Easting:	810,070.00 usft	Longitude:	103° 27' 52.923 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	#403H					
Well Position	+N/-S	0.0 usft	Northing:	432,601.00 usft	Latitude:	32° 11' 10.604 N
	+E/-W	0.0 usft	Easting:	811,675.00 usft	Longitude:	103° 27' 34.152 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,454.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/30/2020	6.55	59.90	47,538.94294909

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	180.72	

Survey Program	Date	5/26/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
176.0	20,871.0	Scientific MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #403H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Site:	Peregrine 27 Fed Com	MD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Well:	#403H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	
176.0	0.81	248.04	176.0	-0.5	-1.2	0.46	0.46	0.00	-1.2	0.0	
311.0	1.11	235.77	311.0	-1.6	-3.1	0.27	0.22	-9.09	-3.5	-0.5	
402.0	1.14	238.51	402.0	-2.5	-4.6	0.07	0.03	3.01	-5.3	-0.3	
492.0	1.15	208.48	491.9	-3.8	-5.8	0.66	0.01	-33.37	-6.1	-3.3	
583.0	1.22	218.15	582.9	-5.4	-6.8	0.23	0.08	10.63	-8.4	-2.1	
673.0	1.19	187.40	672.9	-7.0	-7.6	0.71	-0.03	-34.17	-7.9	-6.6	
764.0	1.34	202.30	763.9	-9.0	-8.1	0.40	0.16	16.37	-11.4	-4.1	
855.0	1.78	201.38	854.8	-11.3	-9.0	0.48	0.48	-1.01	-13.8	-4.3	
946.0	1.79	199.57	945.8	-13.9	-10.0	0.06	0.01	-1.99	-16.5	-4.8	
1,036.0	1.60	201.74	1,035.8	-16.4	-10.9	0.22	-0.21	2.41	-19.3	-4.1	
1,127.0	0.85	226.96	1,126.7	-18.0	-11.9	1.00	-0.82	27.71	-21.0	5.1	
1,149.0	0.78	220.80	1,148.7	-18.3	-12.1	0.51	-0.32	-28.00	-21.7	2.8	
1,217.0	0.70	235.44	1,216.7	-18.9	-12.8	0.30	-0.12	21.53	-21.2	8.3	
1,307.0	0.81	244.85	1,306.7	-19.4	-13.8	0.18	0.12	10.46	-20.7	11.7	
1,397.0	0.71	225.07	1,396.7	-20.1	-14.8	0.31	-0.11	-21.98	-24.6	3.8	
1,487.0	1.03	267.16	1,486.7	-20.5	-16.0	0.77	0.36	46.77	-17.0	19.7	
1,578.0	0.90	289.58	1,577.7	-20.3	-17.5	0.44	-0.14	24.64	-9.6	25.0	
1,668.0	0.69	302.03	1,667.7	-19.8	-18.6	0.30	-0.23	13.83	-5.2	26.6	
1,758.0	1.64	315.51	1,757.7	-18.6	-19.9	1.09	1.06	14.98	-0.7	27.3	
1,849.0	2.42	333.29	1,848.6	-16.0	-21.7	1.09	0.86	19.54	5.0	26.7	
1,939.0	3.29	339.03	1,938.5	-11.8	-23.5	1.02	0.97	6.38	6.2	26.5	
2,029.0	3.56	338.04	2,028.3	-6.8	-25.5	0.31	0.30	-1.10	6.3	27.2	
2,120.0	5.11	337.92	2,119.1	-0.5	-28.0	1.70	1.70	-0.13	8.1	28.1	
2,211.0	5.40	338.80	2,209.7	7.3	-31.1	0.33	0.32	0.97	11.9	29.1	
2,301.0	7.05	339.08	2,299.2	16.4	-34.6	1.83	1.83	0.31	16.6	30.3	
2,391.0	8.69	342.00	2,388.3	28.0	-38.7	1.88	1.82	3.24	21.5	30.2	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #403H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Site:	Peregrine 27 Fed Com	MD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Well:	#403H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
2,483.0	10.12	345.46	2,479.1	42.4	-42.9	1.67	1.55	3.76	24.2	28.9	
2,573.0	10.18	348.02	2,567.7	57.9	-46.5	0.51	0.07	2.84	25.2	27.1	
2,754.0	11.59	353.25	2,745.4	91.6	-52.0	0.95	0.78	2.89	24.4	21.2	
2,844.0	11.59	353.90	2,833.6	109.6	-54.0	0.15	0.00	0.72	21.9	18.3	
2,935.0	11.53	353.98	2,922.7	127.7	-55.9	0.07	-0.07	0.09	19.2	15.5	
3,026.0	11.27	354.08	3,011.9	145.6	-57.8	0.29	-0.29	0.11	16.7	12.8	
3,116.0	12.25	354.81	3,100.0	163.8	-59.6	1.10	1.09	0.81	13.9	9.7	
3,206.0	12.14	355.07	3,188.0	182.8	-61.2	0.14	-0.12	0.29	10.2	6.7	
3,297.0	11.94	355.69	3,277.0	201.7	-62.8	0.26	-0.22	0.68	6.7	3.5	
3,388.0	11.88	356.50	3,366.0	220.4	-64.0	0.20	-0.07	0.89	3.3	0.2	
3,479.0	11.63	357.26	3,455.1	238.9	-65.0	0.32	-0.27	0.84	0.2	-3.4	
3,569.0	11.57	354.41	3,543.3	257.0	-66.4	0.64	-0.07	-3.17	-2.4	-6.6	
3,659.0	11.37	352.47	3,631.5	274.8	-68.4	0.48	-0.22	-2.16	-4.7	-9.3	
3,750.0	10.74	353.84	3,720.8	292.1	-70.5	0.75	-0.69	1.51	-6.8	-11.7	
3,840.0	10.11	353.98	3,809.3	308.3	-72.2	0.70	-0.70	0.16	-7.7	-14.4	
3,931.0	9.85	351.74	3,899.0	323.9	-74.2	0.51	-0.29	-2.46	-7.3	-17.1	
4,021.0	11.82	343.50	3,987.3	340.4	-77.9	2.78	2.19	-9.16	-6.0	-18.9	
4,112.0	12.63	339.89	4,076.3	358.7	-84.0	1.22	0.89	-3.97	-8.4	-18.7	
4,203.0	12.10	339.94	4,165.2	377.0	-90.7	0.58	-0.58	0.05	-12.2	-17.6	
4,293.0	11.91	341.88	4,253.2	394.6	-96.8	0.50	-0.21	2.16	-15.9	-16.2	
4,384.0	12.04	343.94	4,342.2	412.7	-102.3	0.49	0.14	2.26	-19.6	-15.3	
4,565.0	10.47	347.35	4,519.7	446.9	-111.2	0.94	-0.87	1.88	-24.5	-14.8	
4,655.0	9.77	350.85	4,608.3	462.4	-114.2	1.03	-0.78	3.89	-25.6	-14.7	
4,746.0	8.94	354.47	4,698.1	477.1	-116.1	1.12	-0.91	3.98	-25.7	-15.4	
4,837.0	9.30	351.25	4,788.0	491.4	-117.9	0.69	0.40	-3.54	-23.5	-19.2	
4,927.0	8.96	348.86	4,876.8	505.4	-120.3	0.57	-0.38	-2.66	-21.4	-21.8	
5,017.0	8.07	350.53	4,965.8	518.5	-122.7	1.03	-0.99	1.86	-19.8	-22.8	



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Peregrine 27 Fed Com
Well: #403H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #403H
TVD Reference: kb = 25' @ 3479.0usft (H&P 389)
MD Reference: kb = 25' @ 3479.0usft (H&P 389)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,108.0	7.75	350.76	5,056.0	530.9	-124.8	0.35	-0.35	0.25	-16.7	-24.5
5,199.0	8.59	342.91	5,146.1	543.4	-127.7	1.53	0.92	-8.63	-10.2	-27.1
5,289.0	8.37	337.66	5,235.1	555.9	-132.2	0.89	-0.24	-5.83	-5.4	-26.8
5,326.0	7.86	337.86	5,271.7	560.8	-134.2	1.38	-1.38	0.54	-4.3	-26.0
5,454.0	7.13	334.09	5,398.6	576.0	-140.9	0.69	-0.57	-2.95	2.7	-23.0
5,543.0	7.50	333.23	5,486.9	586.2	-146.0	0.43	0.42	-0.97	6.9	-20.2
5,724.0	10.65	345.42	5,665.6	612.9	-155.5	2.03	1.74	6.73	5.7	-19.4
5,813.0	12.52	344.28	5,752.8	630.2	-160.2	2.12	2.10	-1.28	3.6	-19.5
5,904.0	12.57	340.69	5,841.6	649.0	-166.1	0.86	0.05	-3.95	0.8	-19.0
5,994.0	12.71	338.55	5,929.4	667.5	-173.0	0.54	0.16	-2.38	-2.8	-17.8
6,084.0	12.58	335.88	6,017.3	685.6	-180.6	0.67	-0.14	-2.97	-6.2	-16.2
6,174.0	12.87	334.01	6,105.1	703.6	-189.0	0.56	0.32	-2.08	-10.2	-14.0
6,263.0	13.01	329.44	6,191.8	721.1	-198.5	1.16	0.16	-5.13	-14.1	-11.6
6,353.0	12.34	329.74	6,279.6	738.1	-208.5	0.75	-0.74	0.33	-18.8	-7.7
6,443.0	10.81	339.88	6,367.8	754.4	-216.2	2.82	-1.70	11.27	-22.6	-1.5
6,534.0	8.60	354.32	6,457.5	769.2	-219.8	3.60	-2.43	15.87	-24.5	3.9
6,624.0	6.71	6.59	6,546.7	781.1	-219.9	2.77	-2.10	13.63	-25.6	6.6
6,714.0	4.73	26.63	6,636.2	789.6	-217.6	3.09	-2.20	22.27	-25.1	11.8
6,805.0	1.80	50.10	6,727.1	793.9	-214.8	3.47	-3.22	25.79	-21.3	18.1
6,895.0	1.05	77.27	6,817.1	795.0	-213.0	1.10	-0.83	30.19	-12.8	24.8
6,986.0	1.31	67.01	6,908.0	795.6	-211.2	0.37	0.29	-11.27	-18.9	21.9
7,076.0	1.57	111.77	6,998.0	795.5	-209.1	1.25	0.29	49.73	0.1	29.6
7,167.0	2.35	144.78	7,089.0	793.5	-206.9	1.47	0.86	36.27	13.3	25.5
7,258.0	1.99	143.26	7,179.9	790.7	-204.8	0.40	-0.40	-1.67	9.1	25.8
7,348.0	1.52	147.83	7,269.9	788.5	-203.3	0.54	-0.52	5.08	8.4	25.1
7,438.0	1.49	156.65	7,359.8	786.4	-202.2	0.26	-0.03	9.80	9.8	23.7
7,528.0	1.45	166.19	7,449.8	784.2	-201.4	0.28	-0.04	10.60	11.3	21.9



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Peregrine 27 Fed Com
Well: #403H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #403H
TVD Reference: kb = 25' @ 3479.0usft (H&P 389)
MD Reference: kb = 25' @ 3479.0usft (H&P 389)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
7,619.0	1.19	172.62	7,540.8	782.2	-201.0	0.33	-0.29	7.07	11.6	20.6	
7,709.0	1.14	169.55	7,630.8	780.4	-200.7	0.09	-0.06	-3.41	8.7	21.2	
7,799.0	0.92	177.18	7,720.7	778.8	-200.6	0.29	-0.24	8.48	9.8	20.0	
7,890.0	1.03	185.15	7,811.7	777.2	-200.6	0.19	0.12	8.76	10.9	18.5	
7,981.0	1.07	184.28	7,902.7	775.5	-200.7	0.05	0.04	-0.96	9.0	18.7	
8,071.0	0.88	186.70	7,992.7	774.0	-200.9	0.22	-0.21	2.69	8.2	18.3	
8,162.0	0.89	196.76	8,083.7	772.7	-201.2	0.17	0.01	11.05	9.9	16.7	
8,253.0	1.01	201.96	8,174.7	771.2	-201.7	0.16	0.13	5.71	9.9	15.8	
8,344.0	1.21	198.49	8,265.7	769.6	-202.3	0.23	0.22	-3.81	7.1	16.3	
8,435.0	1.22	208.03	8,356.6	767.8	-203.0	0.22	0.01	10.48	7.8	15.1	
8,525.0	1.24	228.20	8,446.6	766.3	-204.2	0.48	0.02	22.41	10.7	11.8	
8,615.0	1.17	228.17	8,536.6	765.1	-205.6	0.08	-0.08	-0.03	8.8	11.8	
8,706.0	1.43	227.76	8,627.6	763.7	-207.1	0.29	0.29	-0.45	6.6	11.9	
8,797.0	1.34	234.25	8,718.5	762.3	-208.8	0.20	-0.10	7.13	5.7	11.2	
8,887.0	1.22	243.71	8,808.5	761.2	-210.6	0.27	-0.13	10.51	5.5	10.2	
8,977.0	1.31	259.90	8,898.5	760.6	-212.4	0.41	0.10	17.99	6.2	8.6	
9,068.0	1.53	254.34	8,989.5	760.1	-214.6	0.28	0.24	-6.11	3.1	9.0	
9,249.0	1.83	264.95	9,170.4	759.2	-219.8	0.24	0.17	5.86	-0.6	8.8	
9,340.0	1.83	262.64	9,261.4	758.9	-222.7	0.08	0.00	-2.54	-3.9	8.7	
9,522.0	1.07	217.71	9,443.3	757.2	-226.6	0.72	-0.42	-24.69	-12.6	1.4	
9,612.0	1.21	216.12	9,533.3	755.8	-227.7	0.16	0.16	-1.77	-14.4	1.0	
9,702.0	1.49	212.90	9,623.3	754.0	-228.9	0.32	0.31	-3.58	-16.6	0.1	
9,793.0	1.26	222.52	9,714.2	752.3	-230.2	0.36	-0.25	10.57	-18.5	3.1	
9,882.0	1.10	238.43	9,803.2	751.1	-231.6	0.41	-0.18	17.88	-18.7	8.3	
9,972.0	0.84	258.82	9,893.2	750.5	-233.0	0.48	-0.29	22.66	-16.1	14.6	
10,046.0	0.88	272.01	9,967.2	750.4	-234.1	0.27	0.05	17.82	-13.5	18.0	
10,104.0	1.28	288.73	10,025.2	750.7	-235.2	0.87	0.69	28.83	-8.8	21.3	



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Peregrine 27 Fed Com
Well: #403H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #403H
TVD Reference: kb = 25' @ 3479.0usft (H&P 389)
MD Reference: kb = 25' @ 3479.0usft (H&P 389)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
10,165.0	2.05	201.29	10,086.2	749.9	-236.2	3.89	1.27	-143.34	-22.7	-8.5	
KOP (MD=10165.0')											
10,195.0	3.10	189.58	10,116.1	748.6	-236.5	3.89	3.49	-39.04	-20.5	-13.3	
10,285.0	12.33	167.49	10,205.2	736.8	-234.9	10.59	10.26	-24.54	-12.7	-18.1	
10,359.4	17.65	180.63	10,277.1	717.7	-233.3	8.44	7.15	17.66	-13.4	-13.5	
HL Crossing, MD:10359.4', TVD:10277.1',N/S:717.7', E/W:-233.3', INC:17.65											
10,375.0	18.84	182.44	10,291.9	712.8	-233.4	8.44	7.62	11.60	-12.9	-13.3	
10,466.0	26.31	184.37	10,375.9	678.0	-235.6	8.25	8.21	2.12	-6.1	-16.0	
10,557.0	37.72	179.24	10,452.9	629.9	-236.7	12.88	12.54	-5.64	2.0	-18.0	
10,647.0	51.70	180.78	10,516.7	566.7	-236.8	15.58	15.53	1.71	2.6	-18.8	
10,737.0	65.78	180.44	10,563.3	490.0	-237.6	15.65	15.64	-0.38	-4.2	-20.3	
10,828.0	72.67	177.89	10,595.6	405.0	-236.4	8.01	7.57	-2.80	-13.2	-19.9	
10,919.0	78.73	177.61	10,618.0	316.9	-232.9	6.67	6.66	-0.31	-18.2	-17.3	
11,010.0	83.11	176.67	10,632.4	227.2	-228.4	4.92	4.81	-1.03	-16.6	-13.6	
11,100.0	86.77	177.39	10,640.3	137.7	-223.8	4.14	4.07	0.80	-9.9	-9.8	
11,189.0	86.74	176.87	10,645.4	48.9	-219.3	0.58	-0.03	-0.58	-5.3	-6.2	
11,279.0	88.76	177.59	10,648.9	-40.9	-215.0	2.38	2.24	0.80	-2.2	-2.7	
11,369.0	89.83	175.14	10,650.0	-130.7	-209.3	2.97	1.19	-2.72	-1.5	2.2	
11,460.0	89.36	176.02	10,650.7	-221.4	-202.3	1.10	-0.52	0.97	-1.3	8.3	
11,550.0	88.86	179.47	10,652.1	-311.3	-198.7	3.87	-0.56	3.83	-0.3	11.0	
11,641.0	88.99	179.46	10,653.8	-402.3	-197.9	0.14	0.14	-0.01	1.0	11.0	
11,731.0	89.97	179.37	10,654.6	-492.3	-196.9	1.09	1.09	-0.10	1.4	11.1	
11,822.0	88.25	178.82	10,656.0	-583.3	-195.5	1.98	-1.89	-0.60	2.3	11.6	
11,912.0	89.66	178.65	10,657.6	-673.2	-193.5	1.58	1.57	-0.19	3.5	12.8	
12,003.0	88.86	179.06	10,658.8	-764.2	-191.7	0.99	-0.88	0.45	4.3	13.7	
12,093.0	90.77	179.79	10,659.1	-854.2	-190.8	2.27	2.12	0.81	4.2	13.8	
12,184.0	91.41	178.30	10,657.4	-945.2	-189.3	1.78	0.70	-1.64	2.0	14.4	



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #403H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Site:	Peregrine 27 Fed Com	MD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Well:	#403H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
12,274.0	93.08	178.65	10,653.8	-1,035.1	-186.9	1.90	1.86	0.39	-1.9	15.9	
12,364.0	91.31	179.87	10,650.4	-1,125.0	-185.7	2.39	-1.97	1.36	-5.8	16.2	
12,455.0	91.08	181.42	10,648.5	-1,216.0	-186.8	1.72	-0.25	1.70	-8.2	14.4	
12,546.0	92.02	181.19	10,646.0	-1,306.9	-188.8	1.06	1.03	-0.25	-11.1	11.4	
12,636.0	89.93	181.71	10,644.5	-1,396.9	-191.1	2.39	-2.32	0.58	-13.0	8.3	
12,727.0	88.96	181.47	10,645.4	-1,487.8	-193.6	1.10	-1.07	-0.26	-12.6	4.9	
12,817.0	88.22	180.77	10,647.6	-1,577.8	-195.4	1.13	-0.82	-0.78	-10.7	2.3	
12,908.0	88.79	181.18	10,650.0	-1,668.7	-196.9	0.77	0.63	0.45	-8.6	-0.1	
12,999.0	86.31	180.29	10,653.9	-1,759.6	-198.1	2.90	-2.73	-0.98	-5.0	-2.2	
13,089.0	89.36	181.19	10,657.3	-1,849.5	-199.3	3.53	3.39	1.00	-1.9	-4.2	
13,179.0	91.07	180.58	10,656.9	-1,939.5	-200.7	2.02	1.90	-0.68	-2.5	-6.4	
13,269.0	92.38	180.29	10,654.2	-2,029.5	-201.3	1.49	1.46	-0.32	-5.5	-8.0	
13,360.0	91.64	180.22	10,651.0	-2,120.4	-201.7	0.82	-0.81	-0.08	-9.0	-9.2	
13,449.0	88.76	180.04	10,650.7	-2,209.4	-201.9	3.24	-3.24	-0.20	-9.5	-10.3	
13,540.0	89.87	178.96	10,651.8	-2,300.4	-201.1	1.70	1.22	-1.19	-8.7	-10.4	
13,631.0	91.17	179.53	10,651.0	-2,391.4	-199.9	1.56	1.43	0.63	-9.9	-10.0	
13,721.0	90.07	178.95	10,650.0	-2,481.4	-198.8	1.38	-1.22	-0.64	-11.1	-9.7	
13,812.0	90.34	180.23	10,649.7	-2,572.4	-198.1	1.44	0.30	1.41	-11.7	-9.9	
13,902.0	89.10	179.95	10,650.1	-2,662.4	-198.2	1.41	-1.38	-0.31	-11.6	-10.9	
13,992.0	90.00	181.44	10,650.8	-2,752.4	-199.3	1.93	1.00	1.66	-11.2	-12.9	
14,083.0	88.69	180.55	10,651.9	-2,843.3	-200.9	1.74	-1.44	-0.98	-10.4	-15.3	
14,174.0	89.56	179.10	10,653.3	-2,934.3	-200.6	1.86	0.96	-1.59	-9.3	-15.9	
14,264.0	90.27	179.12	10,653.4	-3,024.3	-199.2	0.79	0.79	0.02	-9.5	-15.3	
14,355.0	90.10	178.84	10,653.1	-3,115.3	-197.6	0.36	-0.19	-0.31	-10.0	-14.6	
14,445.0	86.78	177.39	10,655.5	-3,205.2	-194.7	4.03	-3.69	-1.61	-7.9	-12.5	
14,535.0	86.65	176.50	10,660.7	-3,294.9	-189.9	1.00	-0.14	-0.99	-3.0	-8.6	
14,626.0	87.78	175.53	10,665.1	-3,385.6	-183.6	1.64	1.24	-1.07	1.1	-3.1	



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Peregrine 27 Fed Com
Well: #403H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #403H
TVD Reference: kb = 25' @ 3479.0usft (H&P 389)
MD Reference: kb = 25' @ 3479.0usft (H&P 389)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
14,716.0	91.21	177.51	10,665.9	-3,475.4	-178.1	4.40	3.81	2.20	1.6	1.5	
14,805.0	93.56	178.80	10,662.2	-3,564.3	-175.2	3.01	2.64	1.45	-2.4	3.5	
14,895.0	90.44	178.64	10,659.1	-3,654.2	-173.2	3.47	-3.47	-0.18	-5.8	4.7	
14,984.0	91.77	179.23	10,657.4	-3,743.1	-171.6	1.63	1.49	0.66	-7.9	5.5	
15,075.0	90.07	180.05	10,655.9	-3,834.1	-171.0	2.07	-1.87	0.90	-10.1	5.2	
15,179.0	88.19	179.93	10,657.5	-3,938.1	-171.0	1.81	-1.81	-0.12	-9.2	4.2	
15,270.0	87.38	179.77	10,661.0	-4,029.0	-170.7	0.91	-0.89	-0.18	-6.4	3.6	
15,360.0	85.87	180.25	10,666.3	-4,118.9	-170.8	1.76	-1.68	0.53	-1.7	2.7	
15,451.0	83.38	178.19	10,674.8	-4,209.5	-169.5	3.54	-2.74	-2.26	6.1	3.1	
15,541.0	78.35	176.51	10,689.1	-4,298.2	-165.4	5.88	-5.59	-1.87	19.7	6.5	
15,632.0	86.94	179.90	10,700.7	-4,388.3	-162.6	10.14	9.44	3.73	30.8	8.3	
15,723.0	92.15	183.60	10,701.5	-4,479.2	-165.4	7.02	5.73	4.07	30.8	4.6	
15,813.0	95.75	183.76	10,695.3	-4,568.8	-171.2	4.00	4.00	0.18	24.0	-2.0	
15,904.0	98.68	184.08	10,683.8	-4,658.9	-177.3	3.24	3.22	0.35	11.9	-9.0	
15,994.0	98.57	183.86	10,670.3	-4,747.6	-183.5	0.27	-0.12	-0.24	-2.0	-16.0	
16,083.0	95.79	183.36	10,659.2	-4,835.7	-189.1	3.17	-3.12	-0.56	-13.8	-22.5	
16,174.0	91.68	180.78	10,653.3	-4,926.5	-192.3	5.33	-4.52	-2.84	-20.6	-26.6	
16,264.0	89.09	178.88	10,652.7	-5,016.5	-192.1	3.57	-2.88	-2.11	-21.8	-27.1	
16,355.0	91.17	179.84	10,652.5	-5,107.4	-191.1	2.52	2.29	1.05	-22.7	-27.0	
16,445.0	90.97	180.83	10,650.8	-5,197.4	-191.6	1.12	-0.22	1.10	-25.0	-28.4	
16,537.0	90.00	178.81	10,650.0	-5,289.4	-191.3	2.44	-1.05	-2.20	-26.5	-29.0	
16,628.0	87.65	177.99	10,651.9	-5,380.3	-188.7	2.74	-2.58	-0.90	-25.2	-27.3	
16,718.0	87.28	176.77	10,655.9	-5,470.2	-184.6	1.42	-0.41	-1.36	-21.9	-24.1	
16,809.0	91.01	177.85	10,657.2	-5,561.0	-180.4	4.27	4.10	1.19	-20.9	-20.6	
16,900.0	90.30	176.66	10,656.2	-5,651.9	-176.0	1.52	-0.78	-1.31	-22.0	-17.1	
16,990.0	87.11	174.96	10,658.2	-5,741.6	-169.4	4.02	-3.54	-1.89	-20.1	-11.4	
17,081.0	91.24	175.51	10,659.5	-5,832.3	-161.9	4.58	4.54	0.60	-18.8	-4.7	



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Peregrine 27 Fed Com
Well: #403H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #403H
TVD Reference: kb = 25' @ 3479.0usft (H&P 389)
MD Reference: kb = 25' @ 3479.0usft (H&P 389)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,172.0	92.28	176.53	10,656.7	-5,923.0	-155.6	1.60	1.14	1.12	-21.7	0.7
17,262.0	92.92	179.59	10,652.7	-6,012.9	-152.5	3.47	0.71	3.40	-25.9	2.9
17,352.0	93.46	180.48	10,647.6	-6,102.7	-152.6	1.16	0.60	0.99	-30.9	2.0
17,443.0	92.45	181.55	10,643.0	-6,193.6	-154.2	1.62	-1.11	1.18	-35.7	-0.5
17,532.0	90.84	181.55	10,640.4	-6,282.5	-156.6	1.81	-1.81	0.00	-38.4	-3.7
17,622.0	87.58	182.95	10,641.6	-6,372.4	-160.1	3.94	-3.62	1.56	-37.2	-8.1
17,713.0	87.82	183.22	10,645.3	-6,463.2	-165.0	0.40	0.26	0.30	-33.6	-13.8
17,803.0	87.52	182.77	10,648.9	-6,553.0	-169.7	0.60	-0.33	-0.50	-30.1	-19.4
17,893.0	87.89	182.19	10,652.6	-6,642.9	-173.6	0.76	0.41	-0.64	-26.5	-24.1
17,984.0	87.85	179.89	10,655.9	-6,733.8	-175.3	2.53	-0.04	-2.53	-23.2	-26.7
18,074.0	89.33	178.61	10,658.1	-6,823.8	-174.1	2.17	1.64	-1.42	-21.1	-26.4
18,165.0	90.13	177.60	10,658.6	-6,914.7	-171.1	1.42	0.88	-1.11	-20.7	-24.2
18,255.0	91.01	178.11	10,657.7	-7,004.6	-167.7	1.13	0.98	0.57	-21.7	-21.7
18,346.0	89.73	177.92	10,657.1	-7,095.6	-164.6	1.42	-1.41	-0.21	-22.4	-19.4
18,437.0	90.17	177.23	10,657.2	-7,186.5	-160.7	0.90	0.48	-0.76	-22.4	-16.4
18,527.0	88.26	177.43	10,658.4	-7,276.4	-156.5	2.13	-2.12	0.22	-21.2	-13.1
18,618.0	91.04	177.05	10,659.0	-7,367.3	-152.1	3.08	3.05	-0.42	-20.7	-9.6
18,709.0	90.27	176.36	10,657.9	-7,458.1	-146.9	1.14	-0.85	-0.76	-21.9	-5.2
18,799.0	90.34	177.57	10,657.4	-7,548.0	-142.1	1.35	0.08	1.34	-22.4	-1.3
18,889.0	91.51	179.29	10,656.0	-7,637.9	-139.7	2.31	1.30	1.91	-24.0	0.3
18,980.0	91.91	177.73	10,653.3	-7,728.9	-137.3	1.77	0.44	-1.71	-26.8	1.8
19,071.0	91.84	178.26	10,650.3	-7,819.8	-134.1	0.59	-0.08	0.58	-29.9	4.1
19,161.0	90.23	179.44	10,648.7	-7,909.7	-132.3	2.22	-1.79	1.31	-31.7	5.1
19,252.0	88.86	180.51	10,649.4	-8,000.7	-132.3	1.91	-1.51	1.18	-31.1	4.2
19,342.0	88.63	181.62	10,651.4	-8,090.7	-134.0	1.26	-0.26	1.23	-29.2	1.7
19,433.0	87.02	182.11	10,654.8	-8,181.6	-136.9	1.85	-1.77	0.54	-25.9	-2.1
19,524.0	87.75	182.65	10,659.0	-8,272.4	-140.7	1.00	0.80	0.59	-21.9	-6.8



Final PVA

Company: Midland
Project: Lea County, NM (NAD 83 NME)
Site: Peregrine 27 Fed Com
Well: #403H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #403H
TVD Reference: kb = 25' @ 3479.0usft (H&P 389)
MD Reference: kb = 25' @ 3479.0usft (H&P 389)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,614.0	87.88	183.94	10,662.4	-8,362.2	-145.9	1.44	0.14	1.43	-18.7	-12.7
19,704.0	88.96	182.85	10,664.9	-8,452.0	-151.2	1.70	1.20	-1.21	-16.3	-18.9
19,795.0	90.00	181.04	10,665.7	-8,542.9	-154.3	2.29	1.14	-1.99	-15.6	-22.9
19,886.0	93.12	180.75	10,663.2	-8,633.9	-155.7	3.44	3.43	-0.32	-18.2	-25.2
19,977.0	89.43	181.16	10,661.2	-8,724.8	-157.2	4.08	-4.05	0.45	-20.4	-27.6
20,067.0	90.34	180.29	10,661.4	-8,814.8	-158.3	1.40	1.01	-0.97	-20.4	-29.6
20,158.0	90.37	178.78	10,660.8	-8,905.8	-157.6	1.66	0.03	-1.66	-21.1	-29.7
20,248.0	88.59	178.36	10,661.6	-8,995.7	-155.4	2.03	-1.98	-0.47	-20.4	-28.3
20,338.0	87.79	178.50	10,664.5	-9,085.7	-152.9	0.90	-0.89	0.16	-17.7	-26.7
20,429.0	91.64	178.92	10,664.9	-9,176.6	-150.8	4.26	4.23	0.46	-17.4	-25.5
20,519.0	91.68	177.87	10,662.3	-9,266.6	-148.3	1.17	0.04	-1.17	-20.1	-23.9
20,609.0	88.46	175.28	10,662.2	-9,356.4	-143.0	4.59	-3.58	-2.88	-20.4	-19.3
20,700.0	87.62	174.05	10,665.3	-9,446.9	-134.5	1.64	-0.92	-1.35	-17.4	-11.8
20,790.0	87.65	173.46	10,669.0	-9,536.3	-124.7	0.66	0.03	-0.66	-13.8	-2.8
20,807.0	86.91	173.43	10,669.9	-9,553.2	-122.8	4.36	-4.35	-0.18	-13.0	-1.0
Final MWD Survey (MD=20807.0')										
20,871.0	86.91	173.43	10,673.3	-9,616.7	-115.5	0.00	0.00	0.00	-9.7	5.6
Final Projection to Bit (MD=20871.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,165.0	10,086.2	749.9	-236.2	KOP (MD=10165.0')
10,359.4	10,277.1	717.7	-233.3	HL Crossing, MD:10359.4', TVD:10277.1', N/S:717.7', E/W:-233.3', INC:17.65
20,807.0	10,669.9	-9,553.2	-122.8	Final MWD Survey (MD=20807.0')
20,871.0	10,673.3	-9,616.7	-115.5	Final Projection to Bit (MD=20871.0')



Final PVA

Company:	Midland	Local Co-ordinate Reference:	Well #403H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Site:	Peregrine 27 Fed Com	MD Reference:	kb = 25' @ 3479.0usft (H&P 389)
Well:	#403H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	PEDM

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 8/08/2022

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name PEREGRINE 27 FEDERAL COM		
								6. Well Number: 403H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator EOG RESOURCES INC							9. OGRID 7377			
10. Address of Operator PO BOX 2267 MIDLAND, TEXAS 79702							11. Pool name or Wildcat RED HILLS; BONE SPRING, EAST			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	K	27	24S	34E		1820	SOUTH	2127	WEST	LEA
BH:	F	3	25S	34E		2518	NORTH	1920	WEST	LEA
13. Date Spudded 03/26/2022	14. Date T.D. Reached 05/20/2022		15. Date Rig Released 05/21/2022			16. Date Completed (Ready to Produce) 08/07/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3454' GR		
18. Total Measured Depth of Well MD 20,871' TVD 10,673'			19. Plug Back Measured Depth MD 20,847' TVD 10,673'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name BONE SPRING 10,732 - 20,847'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5# J-55		1202'		16"		815 CL C/CIRC		
9 5/8"		40# ECP 110		5374'		12 1/4"		1490 CL C/CIRC		
5 1/2"		20# HCP 110		20,853'		8 3/4"		3680 CL C & H TOC 1890		CBL
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 10,732 -20,847' 3 1/8" 2346 shots					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					10,732 - 20,847'		FRAC W/25,255,406 lbs proppant, 464,485 bbls load fld			
28. PRODUCTION										
Date First Production 08/07/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 08/15/2022	Hours Tested 24	Choke Size 90	Prod'n For Test Period	Oil - Bbl 2989	Gas - MCF 4640	Water - Bbl. 5327	Gas - Oil Ratio 1552			
Flow Tubing Press.	Casing Pressure 761	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 44				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD								30. Test Witnessed By		
31. List Attachments C-102, C-104, C-103, Directional Survey, H spacing										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Signature Kay Maddox E-mail Address kay_maddox@eogresources.com Name Kay Maddox Title Senior Regulatory Specialist Date 08/17/2022										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico			Northwestern New Mexico				
T. Anhy	Rustler	1060'	T. Canyon	Brushy	7960'	T. Ojo Alamo	T. Penn A "
T. Salt		1620'	T. Strawn			T. Kirtland	T. Penn. "B"
B. Salt		5145'	T. Atoka			T. Fruitland	T. Penn. "C"
T. Yates			T. Miss			T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers			T. Devonian			T. Cliff House	T. Leadville
T. Queen			T. Silurian			T. Menefee	T. Madison
T. Grayburg			T. Montoya			T. Point Lookout	T. Elbert
T. San Andres			T. Simpson			T. Mancos	T. McCracken
T. Glorieta			T. McKee			T. Gallup	T. Ignacio Otzte
T. Paddock			T. Ellenburger			Base Greenhorn	T. Granite
T. Blinebry			T. Gr. Wash			T. Dakota	
T. Tubb			T. Delaware Sand			T. Morrison	
T. Drinkard			T. Bone Springs			T. Todilto	
T. Abo			T. 1st BS Sand	10,300'		T. Entrada	
T. Wolfcamp			T.			T. Wingate	
T. Penn			T.			T. Chinle	
T. Cisco (Bough C)			T.			T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 134957

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 134957
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 134957

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 134957
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/17/2025